

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/602,800
Source: IFW/6
Date Processed by STIC: 10/13/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



IFW16

RAW SEQUENCE LISTING

DATE: 10/13/2005

PATENT APPLICATION: US/09/602,800

TIME: 10:53:26

Input Set : A:\P1760R1.txt

Output Set: N:\CRF4\10132005\I602800.raw

3 <110> APPLICANT: Agus, David B
 4 Scher, Howard I
 5 Sliwkowski, Mark X.
 7 <120> TITLE OF INVENTION: TREATING PROSTATE CANCER WITH ANTI-ErbB2 ANTIBODIES
 9 <130> FILE REFERENCE: P1760R1Rev
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/602,800
 11 <141> CURRENT FILING DATE: 2000-06-23
 13 <150> PRIOR APPLICATION NUMBER: US 60/141,315
 14 <151> PRIOR FILING DATE: 1999-06-25
 16 <160> NUMBER OF SEQ ID NOS: 22
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 107
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Mus musculus
 23 <400> SEQUENCE: 1
 24 Asp Thr Val Met Thr Gln Ser His Lys Ile Met Ser Thr Ser Val
 25 1 5 10 15
 27 Gly Asp Arg Val Ser Ile Thr Cys Lys Ala Ser Gln Asp Val Ser
 28 20 25 30
 30 Ile Gly Val Ala Trp Tyr Gln Gln Arg Pro Gly Gln Ser Pro Lys
 31 35 40 45
 33 Leu Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Asp
 34 50 55 60
 36 Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile
 37 65 70 75
 39 Ser Ser Val Gln Ala Glu Asp Leu Ala Val Tyr Tyr Cys Gln Gln
 40 80 85 90
 42 Tyr Tyr Ile Tyr Pro Tyr Thr Phe Gly Gly Thr Lys Leu Glu
 43 95 100 105
 45 Ile Lys
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 119
 50 <212> TYPE: PRT
 51 <213> ORGANISM: Mus musculus
 53 <400> SEQUENCE: 2
 54 Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys Pro Gly
 55 1 5 10 15
 57 Thr Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Phe Thr Phe Thr
 58 20 25 30
 60 Asp Tyr Thr Met Asp Trp Val Lys Gln Ser His Gly Lys Ser Leu
 61 35 40 45
 63 Glu Trp Ile Gly Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr
 64 50 55 60

Does Not Comply
Corrected Diskette Needed

pp 2-3, 6

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Input Set : A:\P1760R1.txt

Output Set: N:\CRF4\10132005\I602800.raw

```

66 Asn Gln Arg Phe Lys Gly Lys Ala Ser Leu Thr Val Asp Arg Ser
67                               65                               70                               75
69 Ser Arg Ile Val Tyr Met Glu Leu Arg Ser Leu Thr Phe Glu Asp
70                               80                               85                               90
72 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
73                               95                               100                              105
75 Phe Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val Ser Ser
76                               110                              115
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 107
80 <212> TYPE: PRT
81 <213> ORGANISM: artificial
W--> 83 <220> FEATURE:
W--> 83 <223> OTHER INFORMATION: see p. 6 for even explanation
W--> 83 <400> 3
84 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
85 1 5 10 15
87 Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asp Val Ser
88 20 25 30
90 Ile Gly Val Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
91 35 40 45
93 Leu Leu Ile Tyr Ser Ala Ser Tyr Arg Tyr Thr Gly Val Pro Ser
94 50 55 60
96 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
97 65 70 75
99 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
100 80 85 90
102 Tyr Tyr Ile Tyr Pro Tyr Thr Phe Gly Gln Gly Thr Lys Val Glu
103 95 100 105
105 Ile Lys
108 <210> SEQ ID NO: 4
109 <211> LENGTH: 119
110 <212> TYPE: PRT
111 <213> ORGANISM: artificial
113 <220> FEATURE:
W--> 114 <221> NAME/KEY: artificial
115 <222> LOCATION: 1-119
116 <223> OTHER INFORMATION: Fab 574 VH
118 <400> SEQUENCE: 4
119 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
120 1 5 10 15
122 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr
123 20 25 30
125 Asp Tyr Thr Met Asp Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
126 35 40 45
128 Glu Trp Val Ala Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr
129 50 55 60
131 Asn Gln Arg Phe Lys Gly Arg Phe Thr Leu Ser Val Asp Arg Ser
132 65 70 75

```

Artificial Sequence

see p. 6 for even explanation

Artificial Sequence

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Input Set : A:\P1760R1.txt

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```

134 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
135      80      85      90
137 Thr Ala Val Tyr Tyr Cys Ala Arg Asn Leu Gly Pro Ser Phe Tyr
138      95      100      105
140 Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
141      110      115
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 107
145 <212> TYPE: PRT
146 <213> ORGANISM: artificial
W--> 148 <220> FEATURE:
W--> 148 <223> OTHER INFORMATION:
W--> 148 <400> 5
149 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val
150      1      5      10      15
152 Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser
153      20      25      30
155 Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys
156      35      40      45
158 Leu Leu Ile Tyr Ala Ala Ser Ser Leu Glu Ser Gly Val Pro Ser
159      50      55      60
161 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
162      65      70      75
164 Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
165      80      85      90
167 Tyr Asn Ser Leu Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu
168      95      100      105
170 Ile Lys
173 <210> SEQ ID NO: 6
174 <211> LENGTH: 119
175 <212> TYPE: PRT
176 <213> ORGANISM: artificial
W--> 178 <220> FEATURE:
W--> 178 <223> OTHER INFORMATION:
W--> 178 <400> 6
179 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
180      1      5      10      15
182 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
183      20      25      30
185 Ser Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
186      35      40      45
188 Glu Trp Val Ala Val Ile Ser Gly Asp Gly Gly Ser Thr Tyr Tyr
189      50      55      60
191 Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
192      65      70      75
194 Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
195      80      85      90
197 Thr Ala Val Tyr Tyr Cys Ala Arg Gly Arg Val Gly Tyr Ser Leu
198      95      100      105

```

*This error occurs in subsequent sequences
see p. 6*

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Input Set : A:\P1760R1.txt

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```

200  Tyr Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
201              110              115
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 10
205 <212> TYPE: PRT
206 <213> ORGANISM: Mus musculus
208 <220> FEATURE:
209 <221> NAME/KEY: unsure
210 <222> LOCATION: 10
211 <223> OTHER INFORMATION: unknown amino acid
213 <400> SEQUENCE: 7
W--> 214  Gly Phe Thr Phe Thr Asp Tyr Thr Met Xaa
215      1              5              10
217 <210> SEQ ID NO: 8
218 <211> LENGTH: 17
219 <212> TYPE: PRT
220 <213> ORGANISM: Mus musculus
222 <400> SEQUENCE: 8
223  Asp Val Asn Pro Asn Ser Gly Gly Ser Ile Tyr Asn Gln Arg Phe
224      1              5              10              15
226  Lys Gly
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 10
231 <212> TYPE: PRT
232 <213> ORGANISM: Mus musculus
234 <400> SEQUENCE: 9
235  Asn Leu Gly Pro Ser Phe Tyr Phe Asp Tyr
236      1              5              10
238 <210> SEQ ID NO: 10
239 <211> LENGTH: 11
240 <212> TYPE: PRT
241 <213> ORGANISM: Mus musculus
243 <400> SEQUENCE: 10
244  Lys Ala Ser Gln Asp Val Ser Ile Gly Val Ala
245      1              5              10
247 <210> SEQ ID NO: 11
248 <211> LENGTH: 7
249 <212> TYPE: PRT
250 <213> ORGANISM: Mus musculus
252 <220> FEATURE:
253 <221> NAME/KEY: unsure
254 <222> LOCATION: 5-7
255 <223> OTHER INFORMATION: unknown amino acid
257 <400> SEQUENCE: 11
W--> 258  Ser Ala Ser Tyr Xaa Xaa Xaa
259      1              5
261 <210> SEQ ID NO: 12
262 <211> LENGTH: 9
263 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/602,800

TIME: 10:53:26

Input Set : A:\P1760R1.txt

Output Set: N:\CRF4\10132005\I602800.raw

```

264 <213> ORGANISM: Mus musculus
266 <400> SEQUENCE: 12
267 Gln Gln Tyr Tyr Ile Tyr Pro Tyr Thr
268 1 5
270 <210> SEQ ID NO: 13
271 <211> LENGTH: 645
272 <212> TYPE: PRT
273 <213> ORGANISM: human
275 <400> SEQUENCE: 13
276 Met Glu Leu Ala Ala Leu Cys Arg Trp Gly Leu Leu Leu Ala Leu
277 1 5 10 15
279 Leu Pro Pro Gly Ala Ala Ser Thr Gln Val Cys Thr Gly Thr Asp
280 20 25 30
282 Met Lys Leu Arg Leu Pro Ala Ser Pro Glu Thr His Leu Asp Met
283 35 40 45
285 Leu Arg His Leu Tyr Gln Gly Cys Gln Val Val Gln Gly Asn Leu
286 50 55 60
288 Glu Leu Thr Tyr Leu Pro Thr Asn Ala Ser Leu Ser Phe Leu Gln
289 65 70 75
291 Asp Ile Gln Glu Val Gln Gly Tyr Val Leu Ile Ala His Asn Gln
292 80 85 90
294 Val Arg Gln Val Pro Leu Gln Arg Leu Arg Ile Val Arg Gly Thr
295 95 100 105
297 Gln Leu Phe Glu Asp Asn Tyr Ala Leu Ala Val Leu Asp Asn Gly
298 110 115 120
300 Asp Pro Leu Asn Asn Thr Thr Pro Val Thr Gly Ala Ser Pro Gly
301 125 130 135
303 Gly Leu Arg Glu Leu Gln Leu Arg Ser Leu Thr Glu Ile Leu Lys
304 140 145 150
306 Gly Gly Val Leu Ile Gln Arg Asn Pro Gln Leu Cys Tyr Gln Asp
307 155 160 165
309 Thr Ile Leu Trp Lys Asp Ile Phe His Lys Asn Asn Gln Leu Ala
310 170 175 180
312 Leu Thr Leu Ile Asp Thr Asn Arg Ser Arg Ala Cys His Pro Cys
313 185 190 195
315 Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser Ser Glu
316 200 205 210
318 Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys Ala
319 215 220 225
321 Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His Glu Gln Cys
322 230 235 240
324 Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys
325 245 250 255
327 Leu His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala
328 260 265 270
330 Leu Val Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asn Pro
331 275 280 285
333 Glu Gly Arg Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala Cys Pro
334 290 295 300

```

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/602,800

DATE: 10/13/2005
 TIME: 10:53:27

Input Set : A:\P1760R1.txt
 Output Set: N:\CRF4\10132005\I602800.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 10
 Seq#:11; Xaa Pos. 5,6,7

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,14,15,16,17,18,19,20,21,22

Use of <220> Feature(NEW RULES): *error explanation*
 Sequence(s) are missing the <220> Feature and associated headings.
 Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:3,5,6,14,15,16,17,18,19,20,21,22

VERIFICATION SUMMARY

DATE: 10/13/2005

PATENT APPLICATION: US/09/602,800

TIME: 10:53:27

Input Set : A:\P1760R1.txt

Output Set: N:\CRF4\10132005\I602800.raw

L:11 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION NUMBER: is Added.

L:83 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:artificial

L:83 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:artificial

L:83 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:83

L:114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4

L:148 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
ORGANISM:artificial

L:148 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM:artificial

L:148 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:148

L:178 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM:artificial

L:178 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:artificial

L:178 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:178

L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0

L:410 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:artificial

L:410 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:artificial

L:410 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:410

L:418 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:artificial

L:418 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:artificial

L:418 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:418

L:426 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:artificial

L:426 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:artificial

L:426 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:426

L:434 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:artificial

L:434 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
ORGANISM:artificial

L:434 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:434

L:442 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:artificial

L:442 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>
ORGANISM:artificial

L:442 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:442

L:450 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213>
ORGANISM:artificial

L:450 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>
ORGANISM:artificial

L:450 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:450

L:458 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:20, <213>
ORGANISM:artificial

L:458 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>

ORGANISM:artificial

L:458 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:458

L:466 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:21, <213>

ORGANISM:artificial

L:466 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:21, <213>

ORGANISM:artificial

L:466 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:21,Line#:466

L:474 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:22, <213>

ORGANISM:artificial

L:474 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>

ORGANISM:artificial

L:474 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:474